

### **ABSTRACT OF THE DISCLOSURE**

A fluid dispensing device comprises one or more micromechanical fluid dispensing mechanisms arranged to dispense fluids into the atmosphere. The fluids include any of a perfume, pheromone, fragrance, disinfectant, moisturizer, humectant, miticide, fumigant, deodorizer, sanitizing agent and insecticide. A dispenser controller communicates with the fluid micromechanical dispensing mechanisms to selectively activate the fluid micromechanical dispensing mechanisms. Optionally, the fluid dispensing device includes a sensor to detect the airborne concentration of fluids that are dispersed in the atmosphere. Optionally, one or more fluid dispensing devices may be arranged to form a system, perhaps including a system sensor and a system controller.